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6951 a.&b

6951-57

Diag. ch. No. 77-4

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No. A&B	Office No. 6951 a&b
LOCALITY	
State	MARYLAND
General locality	PATUXENT RIVER
Locality	a- ENTRANCE TO PATUXENT RIVER b- SOLOMONS ID.
1944	
CHIEF OF PARTY	
Thos. B. Reed	
LIBRARY & ARCHIVES	
DATE	June 1944

B-1870-1 (1)++

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Applied; before V. & R., to Cht. 553 8-14-44.

X. C. X.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form,
filled in as completely as possible, when the sheet is for-
warded to the Office.

Field No. A

REGISTER NO. 6951a

State Maryland

General locality Patuxent River

Locality Entrance to Patuxent River

Scale 1:10,000 Date of survey January, 19 44

Vessel M. V. COWIE

Chief of party Benjamin H. Rigg & Thomas B. Reed

Surveyed by R. C. Darling

Inked by R. C. Darling

Heights in feet above MHW to ground ~~XXXXXXXXXXXX~~ to tops of trees

~~XX~~

Instructions dated September 11, 19 43

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
GRAPHIC CONTROL SHEET "A" (field letter)
PATUXENT RIVER, MD. PROJECT CS-307
Thomas B. Reed Chief of Party

INSTRUCTIONS:

These surveys were executed in accordance with instructions from the Director, dated September 11, 1943.

LOCALITY:

This sheet furnished the control for the hydrography in the entrance to Patuxent River, Maryland.

GENERAL:

This sheet is a graphic control sheet. In addition to the location of signals for hydrography, approximately $2\frac{1}{2}$ miles of shore line was rodded in. The shore line on the north is an extension of the shore line obtained from air photographic surveys. The shore line around Hog Point was obtained for comparing the compiled shore line with the actual shore line. No discrepancies were found. All proper names shown on this sheet were taken from the War Department's Quadrangle Maps of this area. Landmarks for Charts, Coast Pilot Information, and reports on both floating and permanent aids to navigation are the subjects of separate reports by the chief of party.

CONTROL:

Seven second and third order triangulation stations were used to control the survey. Standard topographic methods were used. All signals and off shore detail were cut in. The plane table positions were determined by three point fixes and resection methods. There were no traverses. Descriptions for six recoverable H & T Stations in this area are furnished on form No. 524.

The three Naval Air Station marks were located in order to tie in a survey of the Patuxent River Naval Air Station executed by the Navy Department. These stations have been plotted on the ozalid print (forwarded with the sheet) by the Navy surveyors from their data. Construction work was still in progress at the time of this survey, making a thorough verification of the detail shown on the print impractical.

Three of the recoverable H & T Stations were located on the air photographic surveys. They are Ced-1943; Pine-1942; and Fred 1942.

The ranges between Hog Point and Cedar Point are for amphibious operations. They consist of painted wooden target boards and are of a temporary nature.

Hydrographic Signal Any on Fishing Point was blown down and set up in a new position as all evidence of its original position was destroyed. This signal was used by the hydrographer on January 7 - position 93 c-day - and the new position is on this graphic control sheet. If the signal is used prior to January 7 the position as found on sheet "B" should be used.

JUNCTIONS:

^{proper survey} Satisfactory junction was made on the western limit with sheet "B" (field letter). This is the only junction with any recent surveys.

MAGNETIC MERIDIAN:

The magnetic variation as determined at Triangulation Station Stone-1934 was found to be $7^{\circ} 30'$ W. This compares with a charted value of $7^{\circ} 15'$ W. The index correction for this declinateire is not known.

MISCELLANEOUS:

The following is a list of signals outside the high water line:

NAME	DESCRIPTION	NAME	DESCRIPTION
Bif	Fish stake	Keg	Fish stake
Doe	Fish stake	Mill	Fish stake
Dot	Fish stake	Pad	Fish stake
Got	Duck blind	Sow	Duck blind
Gun	Fish stake	Tess	Piling
Hot	Fish stake		

Respectfully submitted,

Robert C. Darling
Robert C. Darling
Ensign, USC&GS

Approved & forwarded:

Thomas B. Reed
Thomas B. Reed
Lieut. Comdr., USC&GS
Chief of Party

This survey has been applied to air photographic surveys T-8542. A comparison has been made with contemporary hydrographic sheets and no further review by the Hydrographic Survey Section is considered necessary.
R. H. Casstano 3/30/47

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. B

REGISTER NO. 6951b

State Maryland

General locality Patuxent River

Locality Point Patience to Drum Point

Scale 1:10,000 Date of survey December, 19 43

Vessel M. V. Cowie

Chief of party Benjamin H. Rigg

Surveyed by William B. Page

Inked by William B. Page

Heights in feet above MHW to ground ~~XXXXXXXXXXXX~~

~~Contour Approximate Contour Interval XXXXX~~

Instructions dated September 11, 19 43

Remarks: _____

DESCRIPTIVE REPORT

To Accompany Topographic Sheet *H-6851* b

PATUXENT RIVER, Md. Proj. CS-307

Instructions. This survey was made in accordance with instructions by the Director, dated September 11, 1943.

Locality. Patuxent River, Maryland.

General. This sheet is mainly a graphical control sheet for hydrographic sheet H-6876 in the vicinity of the mouth of the Patuxent River, Md.

About $2\frac{1}{2}$ miles of shoreline was run in on the south bank of the river westward from Fishing Point to Lat. 38-17.67 Long. 76-27.6. Recent construction has changed the shoreline in this area.

Landmarks. Landmarks for charts of this area are covered in a separate report by the Chief of Party. *See H-6876 (1949)*

Control. Control was established by previous 2nd and 3rd order triangulation. All signals and table set-ups were located by graphical triangulation.

Unrecovered Triangulation Stations. Many of the old triangulation stations of 1907, 1908 were not recovered either by the War Mapping Parties or by the Topographic parties. It is recommended that the stations listed below be considered lost or destroyed.

BON 1907, 1908	CRADDOCK MSFC 1908
BACK 1907	CARROLL 2 1898, 1908
TOWN MSFC 1907, 08	SAND MSFC 1907, 08
BEN MSFC 1907, 08	TON MSFC 1907, 08
HOW 1907	NEW 1908

~~These stations are shown on Topo-sheet~~
~~in pencil only.~~ b

Discussion of Signals. All topographic stations of a permanent nature are described on form 524. These are as follows.

Bed 1943 -	Jay 1943 -
Box 1943 -	Log 1943 -
Ced 1943 -	Mat N.A.S. 1943 -
Hall 1943 -	G6. N.A.S. 1943 -
Hodgdon N.A.S. 1943 -	Town 1943

Certain signals were located by the air-photo radial plot as well as by graphical triangulation. A list of these is given below, the topographic name is given in all cases. The names followed by a date signify a station described on form 524.

Ced 1943	Nat
Goat	Oak
Ece	Quip
Log 1943	Town 1943

A,B,C,D,E,F,G,H,J,and K are a series of colored ranges which are used by the Navy on special projects. These ranges are in the vicinity of Lat. 38-19.2; Long. 76-28.4. They consist of target boards mounted on piles. The Front ranges are all outside the H.W.L. and the Rear Ranges are all located on the beach. All ranges are of a temporary nature.

At Lat. 38-19.1; Long. 76-28.4, Signals Coy and Drip, two dolphins, mark the north and south ends of a submerged target. This structure consists of a steel plate set in a concrete base, which rests on the bottom. At a later date, upon removal of the dolphins by decay or other methods, this structure will constitute a menace to navigation. At present a least depth of about 2 fathoms exists over the mass. It is shown with sunken rock symbol on the sheet.

Signals Ham, Lat. 38-18.7, Long. 76-28.5 and Act Lat. 38-19.2 Long. 76-28.5 are small houses on piles in shoal water for use by the Navy.

Signals Ear Lat. 38-19.6, Long. 76-28.1 and Hut Lat. 38-17.6 Long. 76-26.4 are lone pilings projecting ^{above} the surface 6 to 8 feet.

Signals Quit and Sex Lat. 38-17.7 Long. 76-25.8 are a pair of pile dolphins.

Signal Gauss Lat. 38-19.7, Long. 76-28.3 is the center of a circular house established on piling for use in degaussing operations.

Signal Date Lat. 38-19.7, Long. 76-28.2 is the S.E. corner of the larger C. G. Dock.

Signals Goat Lat. 38-19.6, Long. 76-27.9; Ice Lat. 38-19.4 Long. 76-27.7; Nat. 38-19.2, Long. 76-27.5, and Oak Lat. 38-19.1, Long. 76-27.4, are flags on the end of small docks.

Signal Hid Lat. 38-17.5, Long. 76-26.6, is a small guard house on the East edge of a pier at the inshore end of a 30 Ft. X 30 Ft. platform on the end of the dock.

Signal Sim Lat. 38-19.6, Long. 76-26.6 is not the permanent Topographic Station Sim 1943. The name Sim was given this station by mistake and is not the same point as Sim 1943 found on Topographic Sheet No. T-6927a and Aerial Photograph No. 12531.

Junctions. The junctions with other sheets are satisfactory.

Magnetic Meridian. The variation by the declinoire was found to be 7-35 West. The declinoire has not been checked recently. This value compares with a value of 7-00 West on chart 539.

Approved:

Thos. B. Reed
Lt. Comdr. Thos. B. Reed
Chief of Party

Respectfully Submitted,

William B. Page
William B. Page
Lt. (j.g.) C&GS

This survey has been applied to air photographic surveys T-8542 & T-8543 (1943). A comparison has been made with contemporary hydrographic surveys and no further review by the Hydrographic Survey Section is considered necessary. R.H. Carsten 3/30/47

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H
No. T

T6951

a b

received
registered
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	
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rule

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 6951 ^{a+b} —

Record of Application to Charts

[illegible]

M-216B-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.